Kazuo Yamamoto

List of Publications by Year in descending order

52 papers	447 citations	840776 11 h-index	794594 19 g-index
52 all docs	52 docs citations	52 times ranked	232 citing authors

#	Article	IF	Citations
1	Analytical Surveys of Transient and Frequency-Dependent Grounding Characteristics of a Wind Turbine Generator System on the Basis of Field Tests. IEEE Transactions on Power Delivery, 2010, 25, 3035-3043.	4.3	91
2	An experimental study of lightning overvoltages in wind turbine generation systems using a reduced-size model. Electrical Engineering in Japan (English Translation of Denki Gakkai Ronbunshi), 2007, 158, 22-30.	0.4	39
3	Derivations of Effective Length Formula of Vertical Grounding Rods and Horizontal Grounding Electrodes Based on Physical Phenomena of Lightning Surge Propagations. IEEE Transactions on Industry Applications, 2015, 51, 4934-4942.	4.9	25
4	A Study on Basic Characteristics of the Proximity Effect on Conductors. IEEE Transactions on Power Delivery, 2017, 32, 1790-1799.	4.3	25
5	A comprehensive analysis of the effect of frequency-dependent soil electrical parameters on the lightning response of wind-turbine grounding systems. Electric Power Systems Research, 2019, 175, 105927.	3.6	25
6	Overvoltages on DC Side of Power Conditioning System Caused by Lightning Stroke to Structure Anchoring Photovoltaic Panels. Electrical Engineering in Japan (English Translation of Denki Gakkai) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.4	17
7	Detection of Lightning Damage on Wind Turbine Blades Using the SCADA System. IEEE Transactions on Power Delivery, 2021, 36, 777-784.	4.3	16
8	Transient Grounding Characteristics of an Actual Wind Turbine Generator System at a Lowâ€resistivity Site. IEEJ Transactions on Electrical and Electronic Engineering, 2010, 5, 21-26.	1.4	15
9	Theoretical and NEC Calculations of Electromagnetic Fields Generated From a Multi-Phase Underground Cable. IEEE Transactions on Power Delivery, 2021, 36, 1270-1280.	4.3	13
10	Lorentz Microscopy of Magnetic Granular Films. Physical Review Letters, 1999, 83, 1038-1041.	7.8	12
11	Analysis of the lightning impulse and low-frequency performance of wind farm grounding systems. Electric Power Systems Research, 2020, 180, 106068.	3.6	12
12	FDTD analysis of distribution line voltages induced by inclined lightning channel. Electric Power Systems Research, 2018, 160, 450-456.	3.6	10
13	Impedance and Admittance Formulas for a Multistair Model of Transmission Towers. IEEE Transactions on Electromagnetic Compatibility, 2020, 62, 2491-2502.	2.2	10
14	A Study on External Electromagnetic Characteristics of Underground Cables With Consideration of Terminations. IEEE Transactions on Power Delivery, 2021, 36, 3255-3265.	4.3	9
15	The effect of frequency dependence of soil electrical parameters on the lightning performance of typical wind-turbine grounding systems. , 2017, , .		8
16	Latest trends in technologies for sound operation of wind turbines against lightning. Electrical Engineering in Japan (English Translation of Denki Gakkai Ronbunshi), 2018, 205, 3-7.	0.4	8
17	Transient Magnetic Fields and Current Distributions in an Electric Vehicle Caused by a Lightning Stroke. IEEJ Transactions on Power and Energy, 2012, 132, 667-675.	0.2	8
18	Validations of lightning protections for accidents at a wind farm. , 2013, , .		7

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19	Mutual Influence of a Deeply Buried Grounding Electrode and the Surrounding Grounding Mesh. IEEE Transactions on Industry Applications, 2015, 51, 4900-4906.	4.9	7
20	Effective length of vertical grounding wires connected to wind turbine foundation. Journal of International Council on Electrical Engineering, 2017, 7, 89-95.	0.4	7
21	3-D FDTD Analysis of Lightning-Induced Voltages in Distribution Lines Due to Inclined Lightning. IEEE Transactions on Electromagnetic Compatibility, 2021, 63, 189-197.	2.2	7
22	Field tests of grounding at an actual wind turbine generator system. , 2010, , .		6
23	Grounding characteristics of a wind turbine measured immediately after its undergrounding. , 2012, , .		6
24	Effective Length of Counterpoises Connected to Wind Turbine Foundation. IEEE Transactions on Power Delivery, 2021, 36, 3956-3963.	4.3	6
25	Transient grounding characteristics of wind turbines. , 2012, , .		5
26	Threats of lightning current through an electric vehicle. , 2012, , .		5
27	A development of a shunt lightning current measuring system using a Rogowski coil. , 2013, , .		5
28	Long-Wave-Tail Current Generator to Generate Real Winter Lightning Current. , 2018, , .		5
29	Overvoltages on DC Side of Power Conditioning System Caused by Lightning Stroke to Structure Anchoring Photovoltaic Panels. IEEJ Transactions on Power and Energy, 2012, 132, 903-913.	0.2	5
30	Study on Improvement of Lightning Damage Detection Model for Wind Turbine Blade. Machines, 2022, 10, 9.	2.2	5
31	Response characteristics of diode gas discharge tubes. , 2012, , .		4
32	Anomaly detection for wind turbine damaged due to lightning strike. Electric Power Systems Research, 2022, 209, 107918.	3.6	4
33	EMTP models of a wind turbine grounding system. , 2014, , .		3
34	Transient grounding characteristics of a wind turbine foundation with grounding wires and plates. , 2014, , .		3
35	Current distribution characteristic of a quasi-isotropic CFRP panel. , 2013, , .		2
36	About 100 years survey of the surface temperatures of Japan sea and lightning days along the coast. , 2016, , .		2

#	Article	IF	Citations
37	Lightning and Low-Frequency Performance of Interconnected Grounding Systems of Wind Turbines. , 2018, , .		2
38	A development of a measurement system using a Rogowski coil to observe sprit lightning current flows inside and outside a wind turbine generator system. , 2012, , .		1
39	Overvoltages at two instruments grounded at different places in a railway signal system. , 2015, , .		1
40	Transient grounding characteristic of wind turbines affecting back-flow lightning current into distribution system. , 2016, , .		1
41	High voltage impulse experiment on electric automobiles and its verification part2. , 2016, , .		1
42	Approach Techniques for Detecting Disconnected Locations of Down Conductors inside Wind Turbine Blades without Trial and Error. , 2018, , .		1
43	Lightning protection and EMC issues of renewable energy sources. , 2018, , .		1
44	Low-Order Wideband Isolation Transformer Modeling Based on Independent Branch Fitting. IEEE Transactions on Electromagnetic Compatibility, 2022, 64, 874-883.	2.2	1
45	Anomaly detection using a <scp>SCADA</scp> feature extractor and machine learning to detect lightning damage on wind turbine blades. IEEJ Transactions on Electrical and Electronic Engineering, 0, , .	1.4	1
46	Lightning Statistics Observed on Wind Turbines in Lightning-Susceptible Areas during Winter. , 2019, , .		0
47	Application of Genetic Algorithm to Detect Disconnected Locations of Down Conductors along Wind Turbine Blades. , 2019, , .		0
48	Examination of Height of Transmission Line and Lightning Striking Distance concerning Lightning Shielding Effect Prediction. IEEJ Transactions on Power and Energy, 2012, 132, 690-696.	0.2	0
49	Experimental Studies about Transient Characteristics of a Deeply Buried Grounding Electrode and a Grounding Mesh. IEEJ Transactions on Power and Energy, 2012, 132, 500-506.	0.2	0
50	Influence of Grounding Systems on Overvoltages Appearing on DC Wirings of Photovoltaic Power Generation System. IEEJ Transactions on Power and Energy, 2013, 133, 777-784.	0.2	0
51	New Lightning Protection Technologies for Airplanes using Composite Materials. IEEJ Transactions on Power and Energy, 2013, 133, 690-693.	0.2	0
52	Lightning Overvoltage between Building and Individual Groundings. IEEJ Transactions on Power and Energy, 2014, 134, 114-120.	0.2	0